

EAST - [078.wsp:1]

File View Edit Tools Window Help

Drafts
Pending
Active
L1: (3) "9414746"
Failed
Saved

- (6806) mandelic
- (16270) glycolic
- (240069) phenol
- (733) mandelic and glycolic and phenol
- (45298) oxalic
- (32082) polycarboxylic
- (73730) oxalic or polycarboxylic
- (419) 562/470
- (834) ((mandelic and glycolic and phenol) and (oxalic or polycarboxylic)) or 562/470
- (2) ((mandelic and glycolic and phenol) and (oxalic or polycarboxylic)) and 562/470
- (56) (oxalic or polycarboxylic) and 562/470
- (0) ((mandelic and glycolic and phenol) and (oxalic or polycarboxylic)) and (acid adj cataly?)
- (417) (mandelic and glycolic and phenol) and (oxalic or polycarboxylic)
- (12) "2062205"
- (6) "4337355"
- (5) "4339602"

Favorites
Tagged
UDC
Queue
Trash

	Type	Hits	Search Text	DBs	Time Stamp	Comment
1	BRS	6806	mandelic	USPAT; US-PGPUB; EP	2001/09/14 18:2	
2	BRS	16270	glycolic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
3	BRS	240069	phenol	USPAT; US-PGPUB; EP	2001/09/14 14:3	
4	BRS	733	mandelic and glycolic and phenol	USPAT; US-PGPUB; EP	2001/09/14 14:3	
5	BRS	45298	oxalic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
6	BRS	32082	polycarboxylic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
7	BRS	73730	oxalic or polycarboxylic	USPAT; US-PGPUB; EP	2001/09/14 14:3	
8	BRS	419	562/470	USPAT; US-PGPUB; EP	2001/09/14 14:3	
9	BRS	834	((mandelic and glycolic and phenol)	USPAT; US-PGPUB; EP	2001/09/14 14:3	
10	BRS	2	((mandelic and glycolic and phenol)	USPAT; US-PGPUB; EP	2001/09/14 15:0	
11	BRS	56	(oxalic or polycarboxylic) and 562/4	USPAT; US-PGPUB; EP	2001/09/14 15:4	
12	BRS	0	((mandelic and glycolic and phenol)	USPAT; US-PGPUB; EP	2001/09/14 15:4	
13	BRS	417	(mandelic and glycolic and phenol) a	USPAT; US-PGPUB; EP	2001/09/14 15:5	
14	BRS	12	"2062205"	USPAT; US-PGPUB; EP	2001/09/14 16:0	
15	BRS	6	"4337355"	USPAT; US-PGPUB; EP	2001/09/14 16:0	
16	BRS	5	"4339602"	USPAT; US-PGPUB; EP	2001/09/14 16:0	

=> d his

(FILE 'HOME' ENTERED AT 16:19:10 ON 14 SEP 2001)

FILE 'CASREACT' ENTERED AT 16:19:18 ON 14 SEP 2001

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 0 S L1 FULL

FILE 'REGISTRY' ENTERED AT 16:21:18 ON 14 SEP 2001

L4 STRUCTURE UPLOADED

L5 6 S L4

L6 STRUCTURE UPLOADED

L7 5 S L6

L8 STRUCTURE UPLOADED

L9 3 S L8

L10 16 S L8 FULL

FILE 'CAPLUS' ENTERED AT 16:31:05 ON 14 SEP 2001

L11 10 S L10/PREP

FILE 'BEILSTEIN' ENTERED AT 16:32:07 ON 14 SEP 2001

L12 0 S L8

L13 13 S L8 FULL

FILE 'BEILSTEIN' ENTERED AT 16:50:58 ON 14 SEP 2001

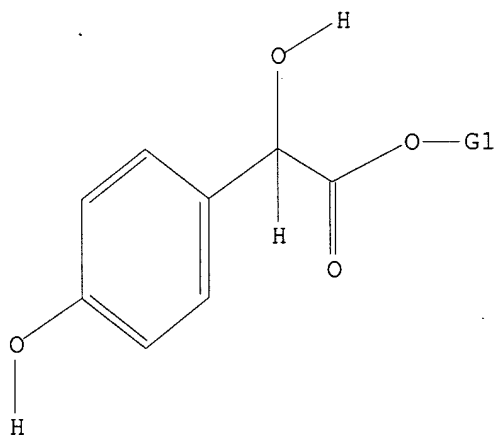
L14 12 S 90-64-2

L15 1 S 2365374/BRN

=> d 18

L8 HAS NO ANSWERS

L8 STR



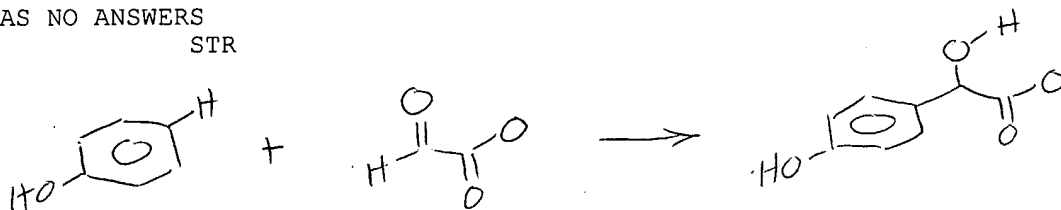
G1 H, Me, Et, n-Pr, i-Pr, n-Bu, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> d 11

L1 HAS NO ANSWERS

L1 STR



=> d his

(FILE 'HOME' ENTERED AT 05:31:29 ON 15 SEP 2001)

FILE 'CASREACT' ENTERED AT 05:31:36 ON 15 SEP 2001

L1 STRUCTURE UPLOADED
L2 29 S L1
L3 STRUCTURE UPLOADED
L4 0 S L3
L5 56 S L3 FULL

FILE 'CAPLUS' ENTERED AT 05:52:35 ON 15 SEP 2001

L6 1 S WO9965853/PN
L7 1 S EP578550/PN
L8 1 S JP06184029/PN

FILE 'REGISTRY' ENTERED AT 05:58:13 ON 15 SEP 2001
E INULooligosaccharides/CN

FILE 'CAPLUS' ENTERED AT 05:58:13 ON 15 SEP 2001
E INULooligosaccharides

L9 220 S D HIS
L10 53545 S DICARBOXYLIC OR POLYCARBOXYLIC
L11 0 S L10/CAT
L12 6384 S L10 AND CATALYS?
L13 0 S L12/RCT
L14 0 S L10/RCT
S 88-99-3/REG#

FILE 'REGISTRY' ENTERED AT 06:21:08 ON 15 SEP 2001

L15 1 S 88-99-3/RN

FILE 'CAPLUS' ENTERED AT 06:21:09 ON 15 SEP 2001

L16 6570 S L15
L17 119 S L15/CAT
L18 17 S L17 AND PHENOL?
S 124-04-9/REG#

FILE 'REGISTRY' ENTERED AT 06:29:16 ON 15 SEP 2001

L19 1 S 124-04-9/RN

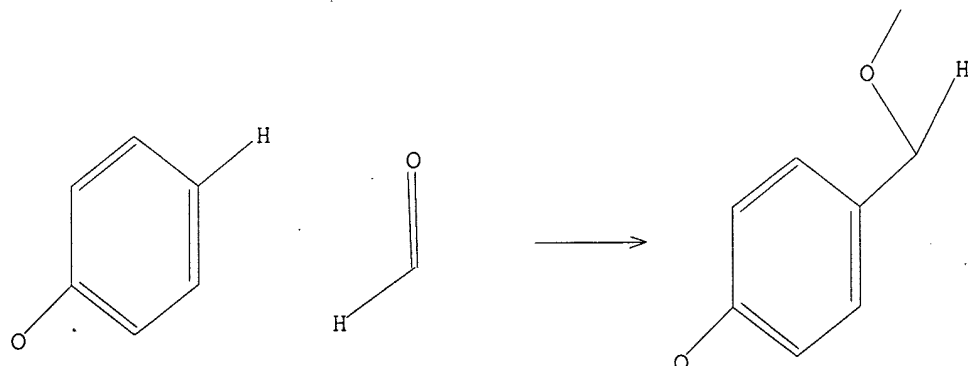
FILE 'CAPLUS' ENTERED AT 06:29:16 ON 15 SEP 2001

L20 8862 S L19
L21 171 S L19/CAT
L22 24 S L17 AND L21

=> d 13

L3 HAS NO ANSWERS

L3 STR



=> s 2365374/brn
L15 1 2365374/BRN

=> d fpre

L15 ANSWER 1 OF 1 COPYRIGHT 2001 BEILSTEIN CDS MDLI

Preparation:

PRE

Start: BRN=2639925 4-oxy-phenylglyoxylic acid
Reag: sodium amalgam, water
Reference(s):
1. Fromherz, Hoppe-Seyler's Z.Physiol.Chem., 70 <1910/11>, 356, CODEN: HSZPAZ
2. Ellinger; Kotake, Hoppe-Seyler's Z.Physiol.Chem., 65 <1910>, 409, CODEN: HSZPAZ
Note(s):
3. Handbook Data
4. inactive form

PRE

Start: BRN=3170370 4..alpha.-dibenzoyloxy-phenylacetic acid amide
Reag: NaOH-solution
Reference(s):
1. Aloy; Rabaut, Bull.Soc.Chim.Fr., <4> 11 <1912>, 392, CODEN: BSCFAS
Note(s):
2. Handbook Data
3. inactive form

PRE

Start: BRN=471352 4-oxy-benzaldehyde
Detail: durch Ueberfuehrung in das Cyanhydrin und Verseifung
Reference(s):
1. Henry, Chem.News J.Ind.Sci., 85 <1902>, 301, CODEN: CHNWAY
Note(s):
2. Handbook Data

PRE

Start: dhurrinic acid
Reag: diluted hydrochloric acid
Reference(s):
1. Henry, Chem.News J.Ind.Sci., 85 <1902>, 301, CODEN: CHNWAY
Note(s):
2. Handbook Data

PRE

Start: BRN=3131465 4-hydroxy-DL-mandelic acid-methyl ester
Reag: aqueous NaOH
Reference(s):
1. Pratesi et al., Farmaco Ed.Sci., 10 <1955> 563, 568, CODEN: FRPSAX
Note(s):
2. Handbook Data

PRE

Start: BRN=3132065 4-hydroxy-DL-mandelic acid-ethyl ester
Reag: aq. NaOH solution
Reference(s):
1. Ladenburg; Folkers; Major, J.Amer.Chem.Soc., 58 <1936> 1292, CODEN: JACSAT
Note(s):
2. Handbook Data

PRE

Start: BRN=1879369 diacetoxyiodanyl-benzene, BRN=2087538
<4-hydroxy-phenyl>-acetic acid methyl ester
Reag: KOH
Yield: 30.00 %
Solv: benzene, H2O

Reference(s):

1. Moriarty, Robert M.; Hu, Henry, Tetrahedron Lett., 22 <1981> 29, 2747-2750, LA: EN, CODEN: TELEAY

PRE

Start: BRN=741891 oxoacetic acid, BRN=969616 phenol

Time: 60 min

Temp: 65.0 Cel

Catal.: 36percent aq. HCl

Reference(s):

1. Ohashi, Takehisa; Takahashi, Satomi; Nagamachi, Tomoaki; Yoneda, Kohji; Yamada, Hideaki, Agric.Biol.Chem., 45 <1981> 4, 831-838, LA: EN, CODEN: ABCHA6

Note(s):

2. Yield: 11.4 percent Chromat.

PRE

Start: BRN=969616 phenol, BRN=741891 oxoacetic acid

Reag: ZnO

Time: 3 hour(s)

Yield: 77.00 %

Solv: H2O

Temp: 70.0 Cel

ByProd: BRN=2367089 2-hydroxy-mandelic acid \15 percent

Reference(s):

1. Hoefnagel, A. J.; Peters, J. A.; Bekkum, H. van, Recl.Trav.Chim.Pays-Bas, 115 <1996> 7-8, 353-356, LA: EN, CODEN: RTCPA3

=> s 110/prep

26 L10
2777922 PREP/RL
L11 10 L10/PREP
(L10 (L) PREP/RL)

=> d 1-10 fbib abs

L11 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1997:539735 CAPLUS

DN 127:231512

TI Competitive enzyme immunoassay for urinary vanillylmandelic acid

AU Taran, Frederic; Bernard, Herve; Valleix, Alain; Creminon, Christophe;
Grassi, Jacques; Olichon, Didier; Deverre, Jean-Robert; Pradelles,
Philippe

CS CEA, Service des Molecules Marquees DBCM, CEA-Saclay, Gif sur Yvette,
91191, Fr.

SO Clin. Chim. Acta (1997), 264(2), 177-192

CODEN: CCATAR; ISSN: 0009-8981

PB Elsevier

DT Journal

LA English

AB An enzyme immunoassay for urinary vanillylmandelic acid (VMA) using polyclonal antiserum and VMA-acetylcholinesterase conjugate as enzymic tracer is described. Two different strategies for immunogen prepn. were developed and enantioselectivity was demonstrated. The selected EIA allowed direct measurement of urinary VMA using D(-)-VMA as std. with good sensitivity (MDC = 0.1 .mu.mol/L) and precision (CV <7% in 0.2-2.25 .mu.mol/L range). Cross-reactivity with homovanillic acid (HVA) was 0.8% and <0.4% with other structurally related catecholamine metabolites. Intra- and inter-assay repeatabilities were <10%, and recovery was 97.3% +/- 3%. Good correlation was obtained for EIA and HPLC anal. with normal and pathol. human urine samples (EIA = 0.895 HPLC-7.085, r2 = 0.98).

L11 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2001 ACS

AN 1981:192018 CAPLUS

DN 94:192018

TI Synthesis of 2-azetidinones from serinehydroxamates: approaches to the synthesis of 3-aminonocardicinic acid

AU Mattingly, Phillip G.; Miller, Marvin J.

CS Dep. Chem., Univ. Notre Dame, Notre Dame, IN, 46556, USA

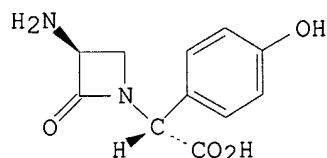
SO J. Org. Chem. (1981), 46(8), 1557-64

CODEN: JOCEAH; ISSN: 0022-3263

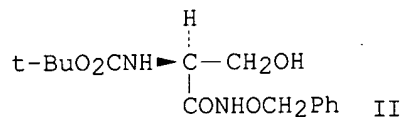
DT Journal

LA English

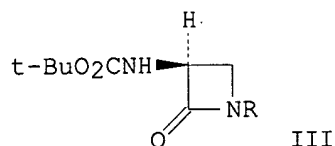
GI



I



II



III

AB Protected forms of 3-aminonocardicinic acid (3-ANA, I) were prepd. efficiently from L-serine. Thus, cyclizing the serine-derived O-benzyl hydroxamate II with PPh₃-CCl₄-Et₃N gave azetidinone III (R = OCH₂Ph) whose redn. gave III (R = H). Although conventional methods were unsatisfactory for N-alkylation of III (R = H), both phase-transfer-catalyzed alkylation and Rh acetate-catalyzed carbenoid insertion gave I derivs. in good yield. Other alkylation methods and deprotection of I derivs. are also described.